HITACHI

STEREO CASSETTE TAPE DECK

D-R100E(BS)

Instruction manual

DOLBY B·C NR HX PRO

NOTICE

The POWER button on the front panel switches the unit from ON to STANDBY but does not isolate the unit from the main supply. If it is to be left unattended for a long period, it is recommended that the unit is switched to standby and the mains plug is removed from the socket.

Before operating please read all these instructions thoroughly.

SOME DO'S AND DON'TS ON THE SAFE USE OF EQUIPMENT (for U.K.)

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

★★★★★★★★★★★

DO read the operating instructions before you attempt to use equipment.
DO ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug when making or changing connections.
DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.
DO be careful with glass panels or doors on equipment.

★★★★★★★★★★★

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.
DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving a vehicle.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings. Overheating will cause damage and shorten the life of the equipment.
DON'T use makeshift stands and NEVER fix legs with wood screws-to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.
DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

- ***NEVER*** let anyone especially children push anything into holes, slots or any other opening in the case – this could result in a fatal electrical shock;
- ***NEVER*** guess or take chances with electrical equipment of any kind. It is better to be safe than sorry!

★★★★★★★★★★★

• DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards:
EN60065, EN55013, EN55020, EN60555-2 and EN60555-3.
Following the provisions of 73/23/EEC, 89/336/EEC and 93/68/EEC Directive.

IMPORTANT

The mains lead on this equipment may be supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

Should it be necessary to change the mains plugs, this must be carried out by a competent person, preferably a qualified electrician.

If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue:	**NEUTRAL**
Brown:	**LIVE**

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

On no account connect either of these wires to the terminal marked E or by the earth symbol ⏚ or coloured green or green and yellow.

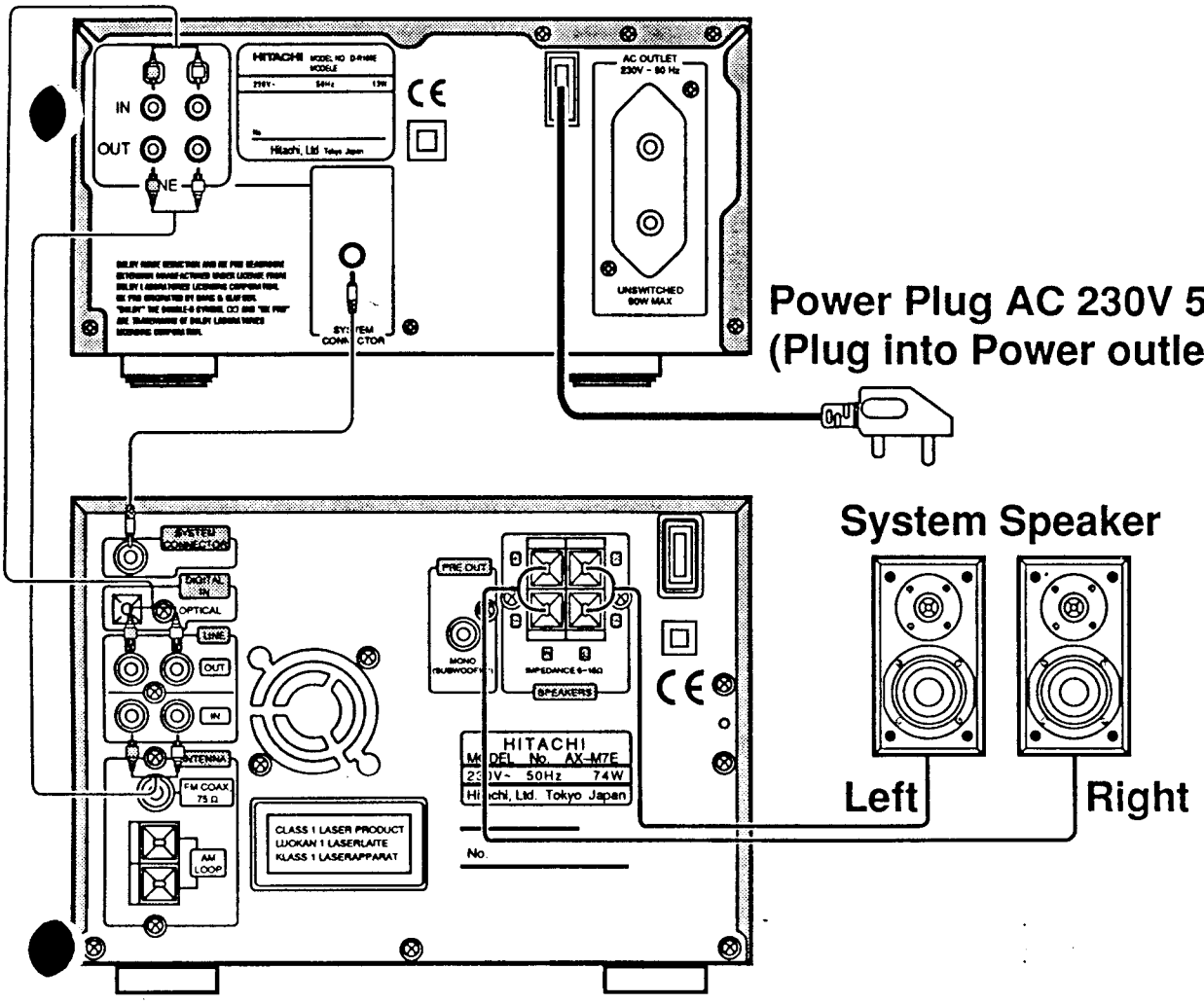
Alternatively, this equipment may be supplied with a rewireable plug already fitted, which may be removed if not suitable and an alternative fitted in accordance with the preceding instructions.

SAFETY PRECAUTIONS

- This unit contains a muting circuit and it takes about 2 – 4 seconds until this unit reaches stable operation after switching the POWER ON.
- Never open the covers or touch the inside or insert a metal object. Any of these could cause an electric shock or a fault.
- When a thunder starts, unplug the power cord.
- The apparatus shall not be exposed to dripping or splashing.
- To clean cabinet and panels when dirty, clean off dirt on the surfaces with a dry cloth. Never use thinner, benzene or alcohol, for these will damage the surface finish.
- Protect the unit against excessive heat (e.g. direct sunlight), dust and moisture.
- Be careful not to damage the power supply cord. Be sure to hold the plug when pulling it out; do not pull the cord.
- We recommend you do not use a C-120 cassette tape to prevent from breakage or jamming.
- Do not install the set in a confined location; otherwise, heat dissipation will be poor and malfunctions may occur.
- Do not place foreign objects in the tape compartment. It may cause damage to the mechanism.
- Do not move the sound system suddenly from a very cold room into a warm room. Water droplets may condense on internal operating parts.

SAFEGUARDS
Electrical energy can perform many useful functions. This unit has been engineered and manufactured to assure your personal safety. Improper use can result in potential electrical shock or fire hazards. In order not to defeat the safeguards, observe the following instructions for its installation, use and servicing.

• CONNECTIONS

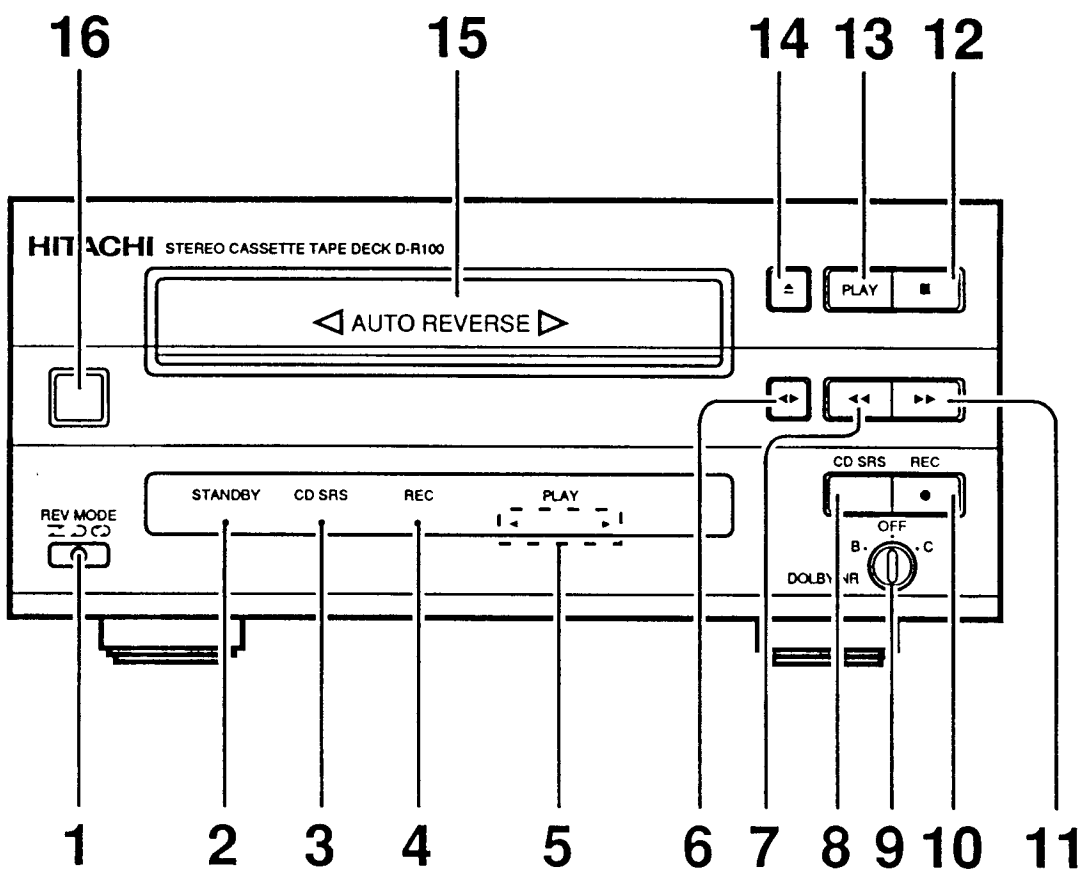


NOTES

- Humming may be produced if this system is set near a TV or other audio equipment. If this happens, try changing the position of the equipment or the connection cords.
- Note that setting the connection cords (pin-plug cords) next to the power cords may result in humming or other noise.

• CONTROLS

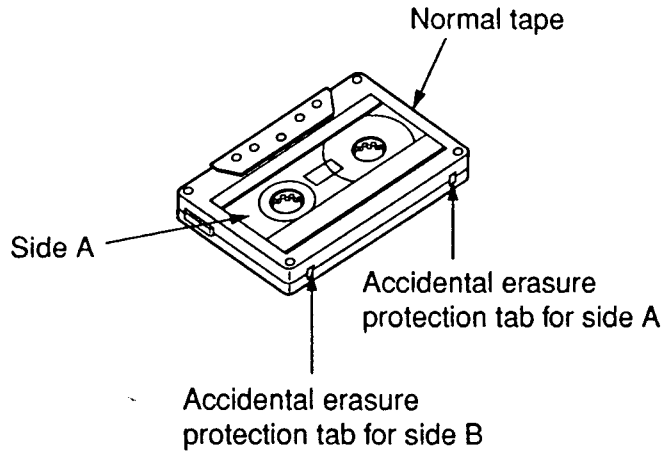
1. REV MODE switch
2. STANDBY indicator
3. CD SRS indicator
4. REC indicator
5. PLAY indicator
6. Direction (◀ ▶) button
7. Rewind/Reverse search (◀◀) button
8. CD SRS (Synchronize Recording System) button
9. DOLBY NR knob
10. REC (●) button
11. Fast-Forward/Forward search (▶▶) button
12. Stop (■) button
13. PLAY button
14. Open/Close (≜) button
15. Cassette tray
16. ON/STANDBY button



• ABOUT CASSETTE TAPE AND HEAD CLEANING

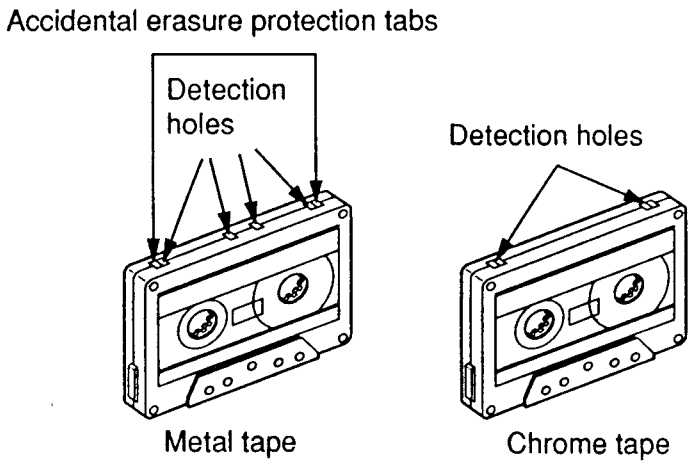
■ About Cassette Tapes

- To protect against accidental erasure, break off the tabs.



■ Auto Tape Selector Mechanism

- Type of tape (Normal, CrO_2 or Metal) is detected automatically and automatically select the most appropriate recording bias and equalization of that type of tape.



■ Cleaning the Heads

- To ensure good sound quality, clean the heads periodically using a commercially available cleaning cassette.

■ Demagnetizing the Head

- The head inevitably becomes slightly magnetized after long usage. To demagnetize the head, use a commercially available cassette-type head demagnetizer.

• SPECIFICATIONS

Type:	Horizontal 4-track 2-channel stereo auto reverse cassette deck
Heads:	1 hard permalloy recording/playback head 1 double-gap ferrite erasing head
Tape speed:	4.75 cm/s
Included circuits:	Dobly B and C NR, Dolby HX Pro
Usable tapes:	Normal, chrome and metal
Power supply:	AC 230 V, 50 Hz
Powr consumption:	13 W
Maximum external dimensions:	210 (W) x 96.5 (H) x 316 (D) mm (including feet, controls and terminals)
Weight:	2.7 kg

- For improvement purposes, specifications and functions are subject to change without advanced notice.

■ Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

■ "DOLBY", the double-D symbol □□ and "HX-PRO" are trademarks of Dolby Laboratories Licensing Corporation.

■ Dolby HX Pro for clear music reproduction.
Dolby HX Pro prevents over-bias in high frequency ranges and recreates the dynamic, energetic high frequencies of digital sources with great clarity. The D-R100 also includes Dolby B/C Noise Reduction.

• PLAYING CASSETTE TAPES

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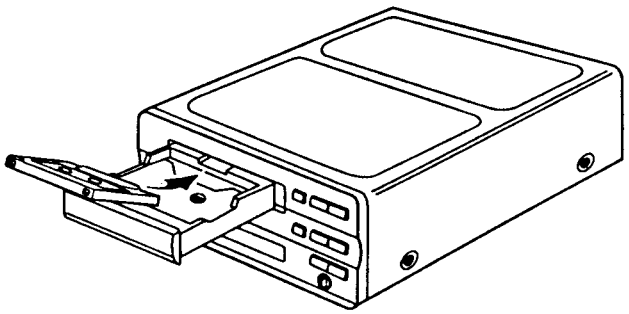

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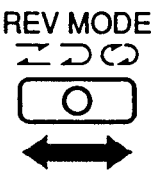
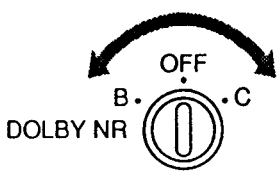


⇄ : Single-sided recording/ playback mode

⇉ : Double-sided recording/ playback mode

↻ : Continuous play mode

5 Set Dolby NR switch to B or C, when playing tapes recorded in the same mode.



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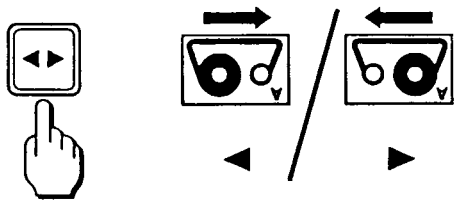

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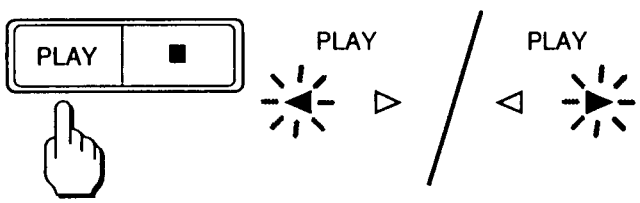

• FAST-FORWARDING AND REWINDING

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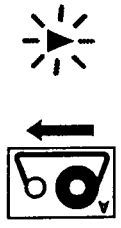

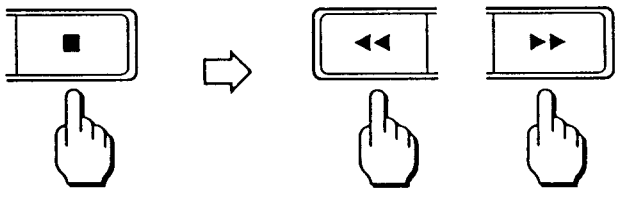

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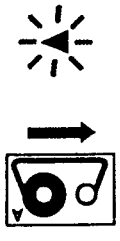

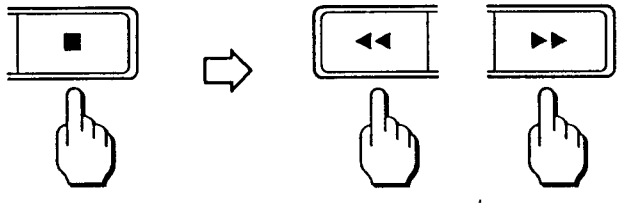

• MUSIC SEARCH FUNCTION

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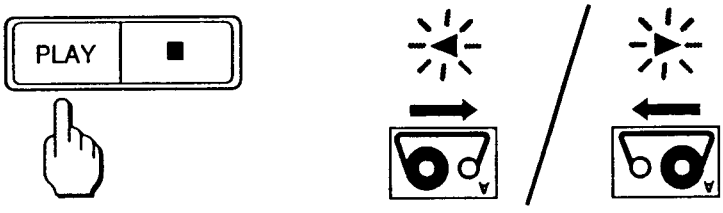

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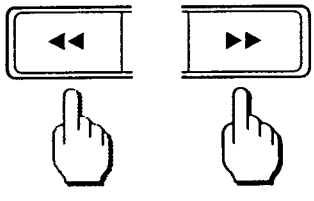

Press repeatedly

⇨ To select the desired music segment.

• RECORDING CASSETTE TAPES

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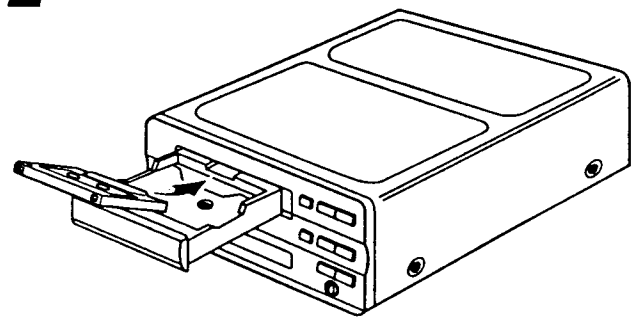

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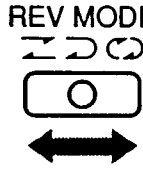

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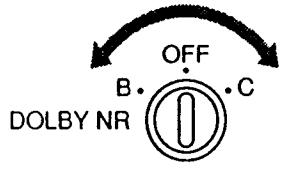

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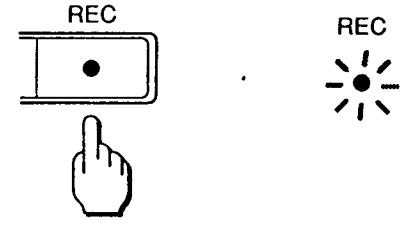

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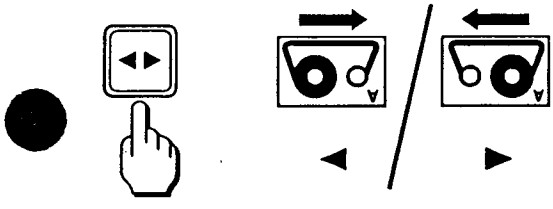
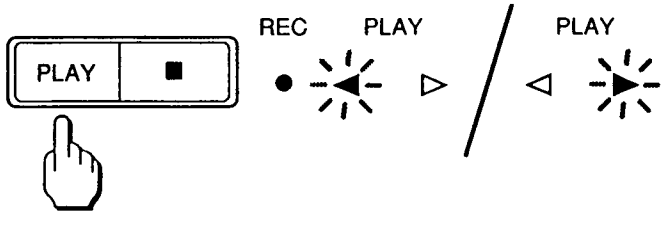
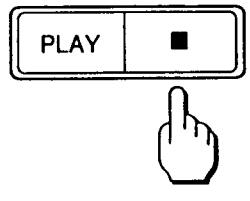


8 Select source to be recorded.

9 To start recording.



10 To stop recording.



• CD SRS RECORDING TO A CASSETTE TAPE (WHEN AX-M7 CONNECTED)

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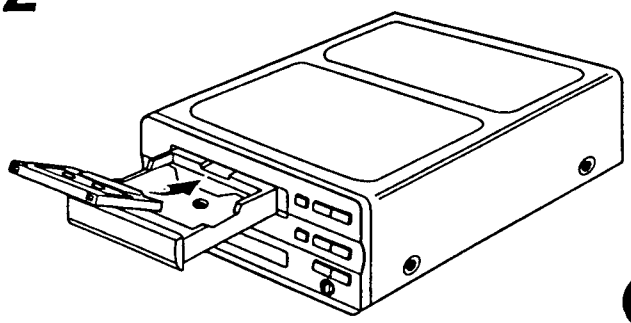

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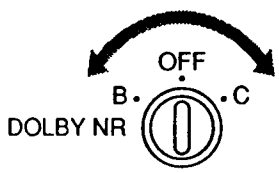

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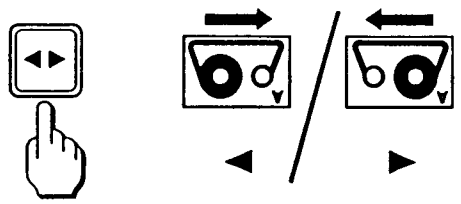

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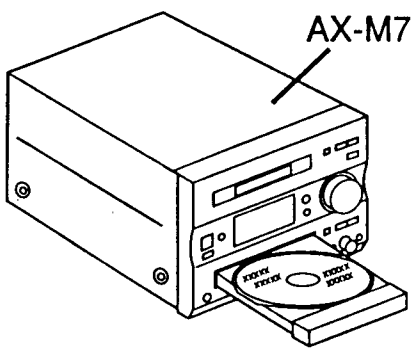

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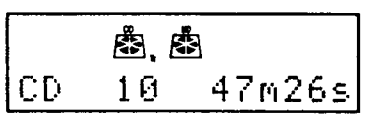
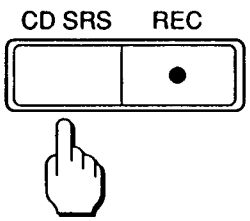
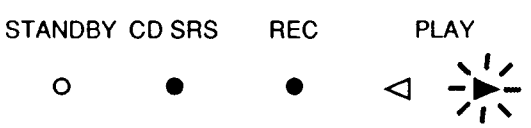


AX-M7 system

9

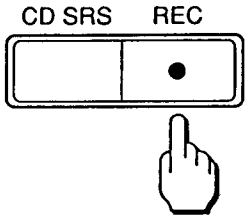




• SYNCHRONIZED RECORDING FROM A CD OR A MD TO A CASSETTETAPE (WHEN AX-M7 IS CONNECTED)

1 ~ 6 Same as CD SRS RECORDING. (see page 12)

7 To REC pause.



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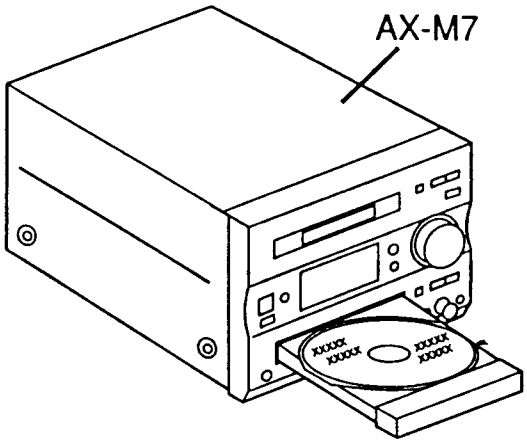

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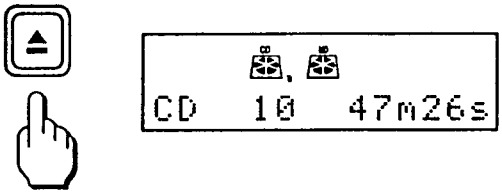
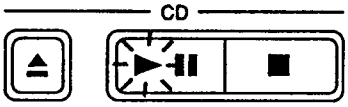


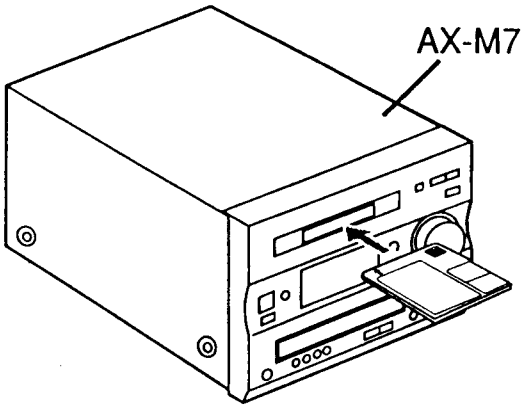
AX-M7 system

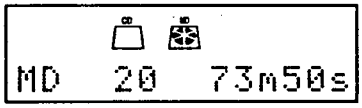
10a To start recording from CD.



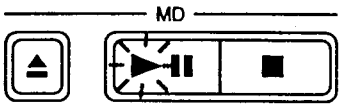
AX-M7 system

8b





9b To start recording from MD.



AX-M7 system

• TIMER RECORDING FROM THE RADIO TO CASSETTE TAPE (WHEN AX-M7 IS CONNECTED)

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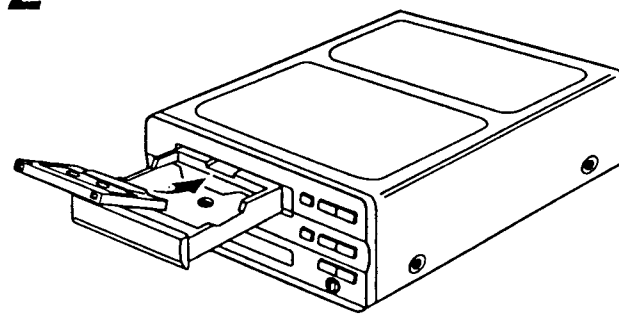

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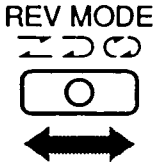

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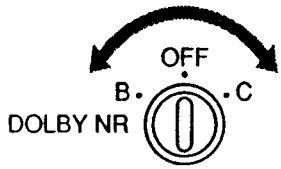
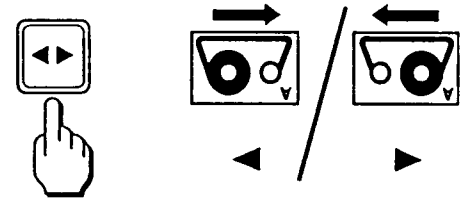
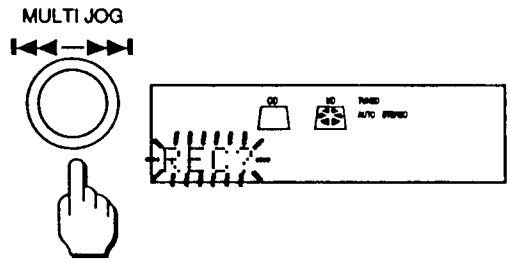


6

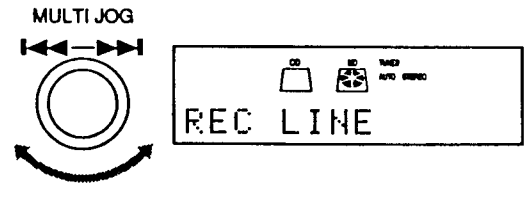


7 For subsequent operations, refer to "TIMER RECORDING FROM THE RADIO TO MD" in the AX-M7's instruction manual.
But at "REC?" step, have to choose "REC LINE".

step **6**



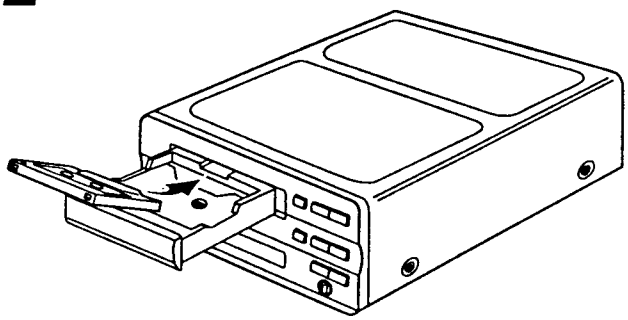
step **7**



• WAKING UP TO MUSIC (WHEN AX-M7 IS CONNECTED)

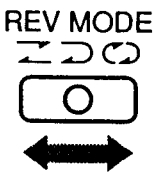
1

2



3

4



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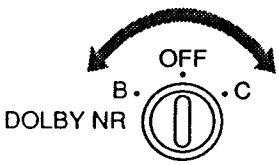

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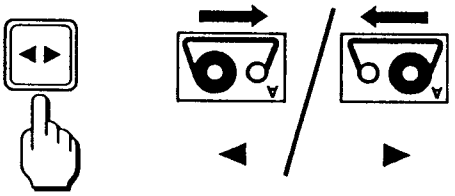
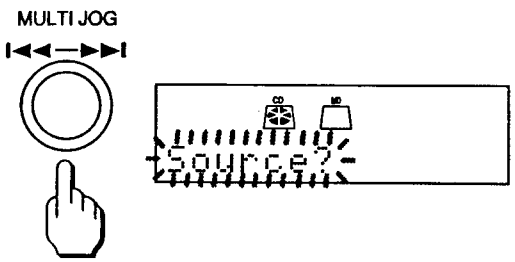
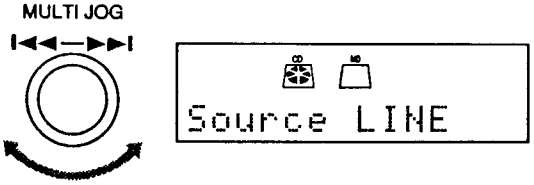


7 For subsequent operations, refer to "WAKING UP TO MUSIC" in the AX-M7's instruction manual.
But at "Source?" step, have to choose "Source LINE".

step **4**



step **5**



HITACHI

Hitachi, Ltd. Tokyo, Japan
International Sales Division
THE HITACHI ATAGO BUILDING,
No. 15 –12 Nishi Shinbashi, 2 – Chome,
Minato – Ku, Tokyo 105-8430, Japan.
Tel: 03 35022111

HITACHI EUROPE LTD,
Whitebrook Park
Lower Cookham Road
Maidenhead
Berkshire
SL6 8YA
UNITED KINGDOM
Tel: 01628 643000
Fax: 01628 643400
Email: **consumer-service@hitachi-eu.com**

HITACHI EUROPE S.A.
364 Kifissias Ave. & 1, Delfon Str.
152 33 Chalandri
Athens
GREECE
Tel: 1-6837200
Fax: 1-6835964
Email: **service.hellas@hitachi-eu.com**

HITACHI EUROPE GmbH
Munich Office
Dornacher Strasse 3
D-85622 Feldkirchen bei München
GERMANY
Tel: +49-89-991 80-0
Fax: +49-89-991 80-224
Hotline: +49-180-551 25 51 (12ct/min)
Email: **HSE-DUS.service@hitachi-eu.com**

HITACHI EUROPE S.A.
Gran Via Carlos III, 101-1
08028 Barcelona
SPAIN
Tel: 93 409 2550
Fax: 93 491 3513
Email: **atencion.cliente@hitachi-eu.com**

HITACHI EUROPE srl
Via Tommaso Gulli N.39, 20147
Milano, Italia
ITALY
Tel: +39 02 487861
Tel: +39 02 38073415 Servizio Clienti
Fax: +39 02 48786381/2
Email: customerservice.italy@hitachi-eu.com

HITACHI Europe AB
Box 77 S-164 94 Kista
SWEDEN
Tel: +46 (0) 8 562 711 00
Fax: +46 (0) 8 562 711 13
Email: **csgswe@hitachi-eu.com**

HITACHI EUROPE S.A.S
Lyon Office
B.P. 45, 69671 BRON CEDEX
FRANCE
Tel: 04 72 14 29 70
Fax: 04 72 14 29 99
Email: **france.consommateur@hitachi-eu.com**

HITACHI EUROPE LTD (Norway) AB
STRANDVEIEN 18
1366 Lysaker
NORWAY
Tel: 67 5190 30
Fax: 67 5190 32
Email: **csgnor@hitachi-eu.com**

HITACH EUROPE AB
Egebækgård
Egebækvej 98
DK-2850 Nærum
DENMARK
Tel: +45 43 43 6050
Fax: +45 43 60 51
Email: **csgnor@hitachi-eu.com**

HITACHI EUROPE AB
Neopoli / Niemenkatu 73
FIN-15140 Lahti
FINLAND
Tel : +358 3 8858 271
Fax: +358 3 8858 272
Email: **csgnor@hitachi-eu.com**

Hitachi Europe Ltd
Bergensesteenweg 421
1600 Sint-Pieters-Leeuw
BELGIUM
Tel: +32 2 363 99 01
Fax: +32 2 363 99 00
Email: **sofie.van.bom@hitachi-eu.com**

HITACHI EUROPE LTD
Na Sychrove 975/8
101 27 Praha 10 – Bohdalec
CZECH REPUBLIC
Tel: +420 267 212 383
Fax: +420 267 212 385
Email: **csgnor@hitachi-eu.com**

www.hitachidigitalmedia.com